



STUDENT TECHNOLOGY SHOWCASE

March 20, 2004

Sierra/Ventura Room

Wyndham Hotel

10:00 am - 2:30 pm

Showcase Opening 10:00 am - 10:30 pm

Overview of event, announcements and awards.

Ellis Vance
CUE Executive Director

Ray Chavez
State Chairman, CTAP

Joyce Hinkson
Education Technology Division, CDE

Jordan Brandman
Policy Advisor, for the California Secretary of Education

Student Projects 10:30 am - 12:15 pm
12:45 pm - 2:30 pm

Sponsored by:



The California Department of Education (CDE) sponsored the first statewide Student Technology Showcase on March 5, 2001.

The showcase drew more than 800 people and featured technology-integrated curriculum projects presented by more than 200 students from throughout the state. Students selected by each California Technology Assistance Project (CTAP) region presented their projects to an audience that included parents, teachers, administrators, higher education representatives, CDE employees, CTAP members and legislators.

The California Department of Education, CTAP regions 8, 9, 10, 11 and EAST joined CUE to make the third annual Student Technology Showcase part of the Spring 2003 CUE conference for the first time.

2004 Showcase features students from CTAP regions 8-11 and EAST projects. Many of the projects support the academic content standards adopted by the State Board of Education. Some project descriptions include the list of standards; others will provide handouts in the presentation area. The showcase is open to the community at no charge.

CTAP Region 8

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Counties Kern, San Luis Obispo, Santa Barbara and Ventura
Director Matt Gehrett
Phone (661)636-4541
E-mail magehrett@kern.org

Lewis and Clark Exploration Encounter and Exchange

Content Focus: Students used computers to conduct historical research and, using HTML created a web site.

Students analyzed the voyage of discovery of Lewis and Clark focusing on the encounters and exchange with native Americans.

District: Atascadero USD
County: San Luis Obispo
School: Atascadero Junior High School
Coordinators: Jim Martin, Amelia Sherman
Students: Eric Hasenkamp, Thomas Trengove
Grade(s): 8
Technology Use: Students used computers to conduct historical research and, using HTML created a web site.
Standards: Research and analysis 8.1 and Language Arts speaking standards

The Cold War

Content Focus: These students created a web site with a historical focus on the Cold War.

Students analyzed the various areas of the Cold War with an emphasis on the weaponry.

District: Atascadero USD
County: San Luis Obispo
School: Atascadero Junior High School
Coordinators: Jim Martin, Amelia Sherman
Students: Nikolaus Froehner, Kellen Martin
Grade(s): 8
Technology Use: Students used computers to do Internet research and web development software to create a web site.
Standards: Research and analysis 8.1 and Language Arts speaking standards

Charles Lindberg Documentary

Content Focus: The student created a video documentary of Charles Lindberg's historical accomplishments.

The student was trained in the Internet research strategies, the use of iMovie software and the use of a digital movie camera. He shaped the storyboard and an audio script for the project. Next, using iMovie he created a video documentary of Charles Lindberg's historical accomplishments.

District: Atascadero USD
County: San Luis Obispo
School: Atascadero Junior High School
Coordinators: Jim Martin, Amelia Sherman
Students: Nicholas Shorts
Grade(s): 8

Technology Use

Student used computers to do Internet research via the Library of Congress. He used a video camera to pan the pictures he downloaded. Used iMovie to create a video documentary.

Standards

Research and analysis 8.1 and Language Arts speaking standards.

"Children of the Dust Bowl" Video/Broadcast Presentation

Content Focus: Students used video and radio drama as a method for historical research.

Students were trained in radio drama and broadcast/video. The script and research was based on Kern county history. Interviews with eyewitnesses were conducted, photographs and video footage was obtained from these individuals. The title of the script was "Leo Hart and the Weedpatch School." Students went on location to tape and meet people who helped to build the Arvin Emergency Federal School.

District: Kern County Supt. Of Schools – Alternative Education
County: Kern
School: CLC Tech
Coordinators: Patty Barton
Students: Stephanie Horst, Eddie Larios
Grade(s): 11-12

Technology Use

Students used computers, sound equipment and music software to produce the radio drama. Students also used video equipment for on location shoots as well as iMovie to edit still photos. They also operated studio cameras, soundboards and the computer to produce the in studio production.

Standards

Listening and Speaking 2.2 a, b, c, d.

Making Language Come Alive — Original Video and Soundtracks

Content Focus: Language Arts, English Language Development

Sixth grade students who are building English as a Second Language skills, leap into learning by building videos. Teams create a brief story, imagine and use language to organize all the elements of the scenes and the shooting, then digitally edit down to a few good minutes. The great addition this year is the use of software to create original soundtracks to make the video really come alive. Students love the work, and learn that it is not quantity, but quality of language that matters.

District: Guadalupe Union School District
 County: Santa Barbara
 School: Kermit Mckenzie Jr. High
 Coordinato(r)s: Jeff Foote
 Grade(s): 6

Technology Use

Students use basic page layout programs (Appleworks Draw) to develop their story boards. Media is created with digital video and still cameras, Apple iMovie and Final Cut Express video software, and digital audio programs including Soundtrack and Garage Band. Finished products will be output onto vhs tapes, cd-roms, or dvd's as appropriate for the viewing needs of parents and friends at home.

Standards

English Language Arts 1.3, 2.1 Write narratives a, b, c, English Language Development Intermediate Level, Visual and Performing Arts 2.6

Technology & Inclusion for Special Education Students at Rio Mesa High School, Oxnard Union High School District

Inclusion students at Rio Mesa High School are enrolled in Barbara Kimmel's Reading Basics class. As part of the standards for reading the students develop Power Point presentations prior to the assigned reading assignment. They identify the title, author, vocabulary and recall questions, put them in the presentation and animate it. There are teams of two students assigned to each computer, they present the Power Points to the class and vote for the best presentation. The chosen presentation is then used when reading the selected work. When the reading assignment is completed student go to the Internet and get additional information to be included in the Power Point. Students are able to identify and describe the elements of plot, setting, character as well as increase vocabulary usage. Through these activities the students developed a love for reading, and became very computer literate, all while having fun and showing competency toward our state standards.

District: Oxnard Union High School District
 County: Ventura
 School: Rio Mesa High School
 Coordinato(r)s: Dr. Barbara Kimmel

Students

Elizabeth Eriza, Christopher Fintel, Angela Jenkins, Jenny Kwan, Michael Mendonca, Calletano Ortiz, Angelica Reyes, Marisella Torres

A Virtual Tour of the Channel Islands by 4th and 5th Grade Students at Saticoy Elementary School, Ventura Unified School District

Students from Alex Wulff's 4th & 5th grade class at Saticoy Elementary School, Ventura Unified School District, will present PowerPoint presentations about the Channel Islands. These student projects are entirely student-centered and student created. Every student in the class researched a specific topic about the Channel Islands as part of a thematic unit created by their teacher to correspond with 4th & 5th grade curriculum and state standards from Science, Language Arts, Visual Arts, Mathematics, and Social Studies. Every student in the class participated and created the PowerPoint presentations. For the showcase, selected students will present a summary presentation constructed from key features of each student's work. Student presenters will also describe the steps they followed to research their topic and to construct their final presentations. Every student in the class who participated in this learning unit is now capable of producing multimedia presentations and conducting Internet research on a particular topic.

District: Ventura Unified School District
 County: Ventura
 School: Saticoy Elementary School
 Coordinato(r)s: Alex Wulff

Students

Annie Johnson, Hanah Roberg, Heather Luscombe, Alyssa Goldman, Alex Yenney, Ron Allen, Kyle Flanagan, Arina Voronina, Emily Rath.

Grade(s): 4-5

CTAP Region 9

Counties Imperial, Orange, San Diego
 Director Harry Bloom
 Phone (858)292-3782
 E-mail hbloom@sdcoe.k12.ca.us

Youth Services Council of Orange

Content Focus: ROP Internet IV (Web development, marketing, and promotion)

A web site for the Orange Police Department's Youth Services Bureau in conjunction with the OUSD Youth Services Council and the City of Orange Community was first developed in 1999 and continues each year with a new group of students who update and change/add to it. The students learn web development, marketing and promotion. They issue and review 500 student surveys each semester to determine what should (or should not) be included on the web site. The students also run focus groups to see what users actually use (or don't use) on the web site. All class members contribute significantly to the success of the web site.

District: Orange USD
 County: Orange
 School: Canyon High School
 Coordinator(s): Susan Cooper
 Grade(s): 9-12
 Technology Use: Windows computers, Notepad, Photoshop
 Standards: Computer Science and Information Technology 4.1

Watershed Project

Content Focus: Language Arts and Science

As part of their involvement in Orange County's Ocean Institute "One Tier Back" Watershed Education Program, 4th and 5th grade combination class students have prepared individual and small group research reports on various aspects of the local watershed. Some of the sub-topics include: plants and animals found in local watershed areas, water chemistry, why our watersheds are fragile and how we can protect them. Reports are presented in Hyperstudio stacks. Multimedia features such as audio and video are included in the stacks. Stacks are linked in a master stack comprising a comprehensive report on the watershed.

District: Saddleback Valley USD
 County: Orange
 School: Gates Elementary
 Coordinator(s): Jane Schrenzel
 Grade(s): 4-5

Technology Use

Hardware — Macintosh computers, Internet, digital still cameras, digital video cameras, Alpha Smart portable laptop keyboards, Smart Board or other presentation device.
 Software — Hyperstudio, iMovie, Adobe Photoshop, Quicktime

Standards

English Language Arts 4th Grade (Reading Comprehension 2.0; Writing Strategies 1.0; Writing Applications 2.3; Listening & Speaking Strategies 1.0); English Language Arts 5th Grade (all of the above plus Writing Applications 2.4) Science 4th Grade (Life Sciences 2 a, b, c & 3 a, b, d; Earth Sciences 5 c, Investigation & Experimentation 6); Science 5th Grade (Physical Sciences 1 a; Earth Sciences 3 a, c, d, e, 4 b, 6)

Get A Clue! What We Can Do

Content Focus: Science

As a culmination of a science unit, the class of 4th-6th grade (plus one kindergartener!). blind and visually impaired students wrote, filmed, acted in, and edited a very unique movie on the Rainforest. The students are now working on their current project that incorporates similar elements as the Rainforest Project — this one focuses on how visually impaired students are "the same" as other students.

District: Orange USD
 County: Orange
 School: Imperial Elementary
 Coordinator(s): Carol Anne McGuire
 Grade(s): K-6

Technology Use

Macintosh iBook, iMovie, set designs, digital video camera, digital still camera, Braille Writers, Duxbury (Braille Transcription Program), JAWS (Screen Reading Program)

Standards

Language Arts (Reading Comprehension 2.2, Writing 1.0 [strategies], Writing 2.0 [applications]); Science (Life Science 2.0, 3.0, Investigation & Experimentation 6.0); Art (Artistic Perception 1.0, Creative Expression 2.0, Connections, Relationships, & Applications 5.0); Theatre Arts (Artistic Perception 1.0, Development of Theatre vocabulary 1.1, Comprehension & Analysis of the Elements of Theatre 1.2, 1.3, Creative Expression 2.0, Connections, Relationships, Applications 5.0); Video Technology (camera, iMovie II)

Career Voices

Content Focus: Marketing/Business

Students are in their first year of MBA — Marketing and Business Academy. Students take a career interest inventory, and based on the results, they choose a career to explore in further detail. They must locate a person who currently works in the student's selected career, contact the person and arrange for an interview. Then they send a cover letter and resume to the interviewee, as if the student were applying for a job with the interviewee. Students develop interview questions and attend a guest speaker's presentation on interviewing skills and attire. The students record the interview and photograph the interviewee. Through online research, students learn more of their chosen career. They then develop a PowerPoint presentation, using information from their research and interview, detailing the career for their peers. Finally, students create a web page of the interview, using the ques-

tions, answers, picture and a sound byte. All student web pages are sent to www.whatdoyouwant2be.org, a nonprofit company which is compiling all the interviews for a web site of career interviews for high school students across the nation.

District: Fullerton Joint Union HSD
 County: Orange
 School: La Habra High School
 Coordinator(s): Lisa Valdes
 Grade(s): 10

Technology Use

Windows computers, microcassette recorders with cable for computer plug in, Digital cameras, Adobe Photoshop Elements or Adobe Photo Deluxe, Windows Sound Recorder, and an MP3 encoder.

Standards

Reading: 2.2, 2.3, 2.6; Writing: 1.3, 1.6, 1.8, 2.3b, 2.3d, 2.5a, 2.5b; Language Conventions: 1.1, 1.2, 1.3, 1.4; Listening and Speaking: 1.7, 1.8, 1.9, 2.2b, 2.3

California Projects

Content Focus: Social Studies, California geography and history

Groups of students in a fourth grade class researched a topic in California Social Studies such as Geographic Regions, Native Peoples, European Explorers, Missions, Gold Rush, and Statehood. Students then had the responsibility to teach the rest of the class about their topic. Activities included vocabulary games, timeline, written summaries, comprehension questions, art projects, and a movie; written, directed, edited, and produced by the students.

District: Escondido Union Elementary
 County: San Diego
 School: Central Elementary
 Coordinator(s): Terri Price
 Students: Karina Murillo, Diego Murillo, Wendy Rivera, Juan Gonzalez, Zimbad Gonzalez
 Grade(s): 4
 Technology Use: Internet research, word processing, digital video cameras, digital video editing software (iMovie)
 Standards: Social Studies 4.1, 4.2, 4.3

Enhancing Teaching and Learning Through Student-Teacher Technology Partnerships

Content Focus: All subject areas

Many classroom teachers seldom take full advantage of the educational technology resources available to them to enhance their instruction and captivate the interest of their students. Often students are the technology experts in schools. Teachers and students at these middle schools formed collaborative partnerships to integrate technology into classroom instruction and learning. These partnerships created technology enhanced lessons incorporating applications such as multimedia software, video production, web page development, and video on demand to teach a variety of California standards driven lessons. Students incorporated

videoconferencing technology to collaborate with other students on projects.

District: Calexico Unified
 County: Imperial
 School: De Anza Jr. High School, William Moreno Jr. High School
 Coordinator(s): David Gastelum, Mariano Velez
 Grade(s): 7-9
 Technology Use: Multimedia Software, Presentation Software, Videoconferencing
 Standards: Projects covered several California Content Standards.

Through the Minds Eye – Video Production

Content Focus: All subject areas

Students and teachers are using multimedia and video production projects to learn about various curriculum topics. Students are assisting teachers in developing innovative lessons and educational resources that include video, audio, special effects software. From Public Service Announcements to short video productions, students and teachers are incorporating this technology to teach their content standards.

District: Holtville Unified
 County: Imperial
 School: Holtville High School
 Coordinator(s): Brian Phillips
 Grade(s): 10-12

Technology Use

Students will use video production software and special effect software.

Standards

ISTE: Identify capabilities and limitations of contemporary and emerging technology resources and assess the potential of these systems and services to address personal, lifelong learning, and workplace needs.

The Dangers of West Nile Virus

Content Focus: Science

In our project we researched mosquitoes around the Imperial County for West Nile Virus to inform the community of the danger of the virus and to give tips on preventing mosquito bites. We also built our own traps to catch mosquitoes. Our team created a website that provides mosquito prevention tips, West Nile Virus information, and general information on mosquitoes. We also interviewed a person that has contracted the virus.

District: Calipatria Unified School District
 County: Imperial
 School: Calipatria High School
 Coordinator(s): Mr. Gupton
 Students: Daniel Banaga, Arturo Guevara, Henry Sabala, Rey Zarate, Francisco Barraza
 Grade(s): 9-11

Technology Use

Adobe Premier, Dreamweaver, Fireworks, Pathfinder, Geo Media, digital still camera, Windows 2000 Professional, Notepad, computer, Video Camera.

Standards

Biology Content 10a, 10b, Computer Science and Technology Research and Technology 1.5, 2.0.

World War I Presentation*Content Focus: History*

The students researched information and develop and presented a PowerPoint presentation on the causes and course of World War I. The students presented the presentation to the World History Class. Other students in the class will use the presentation as a model, to create presentations for the specific area of the standard.

District: Calipatria Unified School District
 County: Imperial
 School: Calipatria High School
 Coordinator(s): David Gupton
 Students: Eric Mar
 Grade(s): 9
 Technology Use: PowerPoint, United Streaming, Internet, video editing software, PC based computer.
 Standards: CA History/Social Science: 10.5

Generation Yes: Students and Teachers Working Together to Improve our School*Content Focus: Language Arts*

The goal was to train a core of students to be technology competent that could then be paired with a teacher to assist them in implementing a lesson using technology. The teacher would provide the lesson and the student would provide technological guidance: redesign the school web page, and create a web-based directory for all the 5th grade Open Court vocabulary words with definitions, example sentences, images, and translations

District: Heber School District
 County: Imperial
 School: Heber Elementary School
 Coordinator(s): Tony Lambert
 Students: Alexis Velasques, Martiza Colunga, Brianda Martinez, Teresa Enriquez, Robert Gutierrez, Nancy Leal, Tanya Pimentel, Ricardo Leal, Melissa Moreno, Shirley Valenzuela, Christina Vasquez, Daisy Rodarte, Dominic Gonzalez, Nyzza Rocha
 Grade(s): 5-6

Technology Use

Web page development: Front Page and Flash, E-mail fundamentals, Internet Research: Google Search Engine, Internet Reference Tools: GuroNet, Internet Organization Tools: Backflip, Network Fundamentals, Prostration Software: Kai, PowerPoint, and Producers, Word Processing, Excel Spreadsheet, Video Conferencing (Via Video), Digital Photography Basic, Digital Editing.

Standards

Language Art Standards (Research and Technology) 1.4, 1.5 and 1.6, Language Art Standards (Vocabulary and Concept Development) 1.3

Virtual Tour of CHS*Content Focus: Technology*

The Students created a virtual tour of their new high school while it was under construction. The tour is will be displayed on the school website so that people in their community and around the country could visit the school.

District: Calipatria Unified School District
 County: Imperial
 School: Calipatria High School
 Coordinator(s): Mr. Gupton
 Students: Disan Suarez, Abraham Torres
 Grade(s): 9-12

Technology Use

MicroStation J, Triforma, Dreamweaver, Arcview, Microsoft Excel, Windows XP, Microsoft Word, Digital Camera, Windows 2000, Computer, Blue prints of high school.

Standards

Art Standards 2.1, 2.3, Writing Strategies 1.0, 1.9, Speaking Applications 2.0

"Cow Pattie Bingo"*Content Focus: Technology*

With the recent "Cedar Fire," the EAST students (Environmental and Spatial Technology) decided to raise money to help local fire victims. The students developed a community serviced based project which would utilize their technology skills and enhance their ability to work together for a common cause. Students presented their fund-raiser idea to the school board, received permission to use school facilities, advertised in the community, requested/received donations for prize baskets, and organized every detail of the event. Throughout this process students wrote multiple letters, made verbal presentations, met multiple deadlines and learned the importance of dependability, responsibility, and reliability.

District: Julian Union High School District
 County: San Diego
 School: Julian High School
 Coordinator(s): Cheryl Maisch
 Students: Jared Mason, Amy Newton, Heather Tyndall, Logan Peyakov, Elisabeth Sulser
 Grade(s): 9-12
 Technology Use: Internet research, Publisher, Excel, Word
 Standards: 1.4, 1.6, 1.7, 1.8, 1.9

CTAP Region 11

County: Los Angeles
 Director: Ray Chavez
 Phone: (562)922-6216
 E-mail: chavez_ray@laoe.edu

Using International Telementors for a California History Multimedia Presentation

Content Focus: 4th Grade California History

In a year-long project, students studied California History and wrote reports on geography, California Indian tribes, an explorer, a California mission, a famous Californian, a California city and a California corporation. These draft reports were sent to mentors across the USA and beyond to critique. After receiving feedback from their telementors, the students then combined their information into one large report along with Excel Charts and Word Documents to be presented orally with a PowerPoint presentation.

District: Baldwin Park Unified
 County: Los Angeles
 School: Pleasant View Elementary School
 Coordinator(s): Case Tucciarelli, Arturo Ortega
 Students: Eduardo Gonzalez, Robert Perez III, Desiree Acevedo, Frances Reyes
 Grade(s): 4

Technology Use

These students use Microsoft Word, Excel, PowerPoint to demonstrate their understanding of California history. They made oral presentations using PowerPoint in front of an audience of staff, parents, district personnel and some of the participating telementors.

Standards

History/Social Studies: 4.1 California Geography 4.2 Spanish Exploration, Indian Tribes, Missions, 4.3 California Gold Rush and Statehood; 4.4 California Industrial Powers; 4.5 Government (local; All technology standards Writing 2.3 Informational Reports; Listening and Speaking 2.2 Making Information presentations.

Matrix Unloaded

Content Focus: Visual Arts Creative Expression

Students will use video equipment, editing software, and animation software to capture their movements and create 3D characters that take on those movements. This process imitates a home-made motion capture short.

District: Culver City Unified
 County: Los Angeles
 School: Culver City Middle School
 Coordinator(s): Lee Cross
 Students: Chris Manzano, An Chen, Josh Blake, Dennis Monyagi
 Grade(s): 8

Technology Use: Video cameras to film students, computers equipped with editing software, animation software, and software to create video capture.
 Standards: Visual Arts – Grade Eight 2.0 Creative Expression, 2.3 Create an original work of art using film, photography, computers graphics or video.

School Yeardisk

Content Focus: School and Student Activities

A CD ROM Yeardisk to enhance and eventually replace the school yearbook.

District: Pomona Unified
 County: Los Angeles
 School: Village Academy High School
 Coordinator(s): Sherban Cira, Jen Wagner
 Students: Jose Melena, Edna Keele, Jesse Ponce, Jose Melgar
 Grade(s): 9-12

Technology Use

The entire CD is in html format. The entire Adobe suite was used to create videos, graphics, audiofiles, web pages and other documents.

Standards

Writing 1.6 Integrate quotations and citations into text while maintaining the flow of ideas; 1.7 Use appropriate conventions for documentation in the text; 1.8 Design and publish documents using advanced publishing software and graphic programs; 2.3b Convey information and ideas from primary and secondary sources accurately and coherently; 1.9 Evaluation and Revision, Writing Applications; 2.1 Write biographical narratives or short stories; 2.3d. Include visual aids employing appropriate technology to organize and record information on charts, maps and graphs.

Underneath It All

Content Focus: English/Language Arts, Journalism/Technology Education

This project will show you how a day as a Techlab student is at Joe Walker Middle School. We will take you behind the scenes of the TV show, website, video editing, magazine, and a regular class.

District: Westside Union School District
 County: Los Angeles
 School: Joe Walker Middle School
 Coordinator(s): Matt Anderson
 Students: Katelin Digler, Rebecca Hernandez, Lauren Lanza, Kathryn Miheliuthakis
 Grade(s): 8
 Technology Use: Computers, televisions, Internet Research, Video Editing Software.
 Standards: Creative expressions 2.3, making a video using film photography, digital cameras, mini dv cam corders, computer graphics and video.